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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/650,787 08/30/2000		Krishna Balachandran	11-16-38	2047	
32205	7590 07/13/2004		EXAMINER		
PATTI & BRILL			WONG, BLANCHE		
ONE NORTH 44TH FLOOR	LASALLE STREET		ART UNIT	PAPER NUMBER	
CHICAGO, I			2667	/^	
			DATE MAILED: 07/13/2004	/0	

Please find below and/or attached an Office communication concerning this application or proceeding.

					1/			
•		Applicat	on No.	Applicant(s)	1/1			
		09/650,7	87	BALACHANDRAN E	ET AV.			
	Office Action Summary	Examine	r	Art Unit				
		Blanche	_	2667				
Period fo	The MAILING DATE of this communicator Reply	ition appears on th	e cover sheet with the	correspondence addr	ess			
THE - Exte after - If the - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR MAILING DATE OF THIS COMMUNICAL insions of time may be available under the provisions of SIX (6) MONTHS from the mailing date of this communical period for reply specified above is less than thirty (30) of period for reply is specified above, the maximum statute or to reply within the set or extended period for reply will reply received by the Office later than three months after the patent term adjustment. See 37 CFR 1.704(b).	ATION. 37 CFR 1.136(a). In no evication. days, a reply within the statory period will apply and vill, by statute, cause the ap	vent, however, may a reply be to tutory minimum of thirty (30) do vill expire SIX (6) MONTHS fro plication to become ABANDON	timely filed ays will be considered timely. In the mailing date of this com NED (35 U.S.C. § 133).	munication.			
Status								
1) 又	Responsive to communication(s) filed	on <i>02 June 2004</i> .						
)⊠ This action is i	non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is								
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Dispositi	ion of Claims							
4)⊠	Claim(s) <u>5,6,12 and 14</u> is/are pending	in the application.						
· -	4a) Of the above claim(s) is/are withdrawn from consideration.							
5)	Claim(s) is/are allowed.							
6)⊠	∑ Claim(s) <u>5,6,12 and 14</u> is/are rejected.							
7)	Claim(s) is/are objected to.							
8)[Claim(s) are subject to restriction	on and/or election	requirement.					
Applicati	ion Papers							
9)[The specification is objected to by the I	Examiner.						
10))☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.							
	Applicant may not request that any objection	on to the drawing(s)	be held in abeyance. S	ee 37 CFR 1.85(a).				
	Replacement drawing sheet(s) including the	e correction is requi	red if the drawing(s) is o	bjected to. See 37 CFF	₹ 1.121(d).			
11)	The oath or declaration is objected to b	y the Examiner. N	ote the attached Office	e Action or form PTC)-152.			
Priority (under 35 U.S.C. § 119							
	Acknowledgment is made of a claim fo All b) Some * c) None of: Certified copies of the priority do Certified copies of the priority do Copies of the certified copies of	ocuments have be	en received. en received in Applica	ation No	tage			
	application from the Internationa	al Bureau (PCT Ru	le 17.2(a)).					
* (See the attached detailed Office action	for a list of the cer	ified copies not receiv	ved.				
Attachmen	at(s)							
1) Notice	ce of References Cited (PTO-892)		4) Interview Summa					
	ce of Draftsperson's Patent Drawing Review (PTC		Paper No(s)/Mail	Date I Patent Application (PTO-	152)			
	mation Disclosure Statement(s) (PTO-1449 or Part No(s)/Mail Date	(O/SB/08)	6) Other:	TI atent Application (FTO-				

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DETAILED ACTION

Claim Rejections - 35 USC § 112

- The following is a quotation of the second paragraph of 35 U.S.C. 112:
 The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 2. Claims 5,6,12,14 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The use of variety of terms in the same subject matter causes confusion and should be avoided in claim language. It is confusing that bursts are used interchangeably between frames and channels in the claim language.

With regard to claims 5 and 6, For example, the preambles in claims 5 and 6 recites "a plurality of frames and each frame is divided into N data bursts" in ln. 2-3, and the limitations in claims 5 and 6 recite "channel as a series of bursts that occur periodically every N bursts once per frame" in ln. 4-5, "the bursts in said channel being assigned to one of even or odd frames" in ln. 8-9, and "the one of the even or odd frames" in ln. 9.

With regard to claim 12, the preamble in claim 12 recites "a plurality of frames and each frame is divided into N data bursts" in In. 2-3, and the limitations in claim 12 recite "the bursts in one channel being assigned to one of even or odd frames" in In. 5-6, and "the one of the even or odd frames is needed for communications over said channel" in In. 6-7.

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With regard to claim 14, the the preamble in claim 12 recites "a plurality of frames and each frame is divided into N data bursts" in In. 2-3, and the limitations in claim 14 recite "bursts" in In. 4 and 5, "one of even and odd numbered frames as a first channel" in In. 7, "the other of the even and odd numbered frames as a second channel" in In. 8, "first and second control frames in the one and other of the even and odd numbered frames" in In. 9-10, "the first channel need only decode the one of the even and odd numbered frames" in In. 11-12, "the second channel need only decode the other of the even and odd number frames" in In. 13, and "even and odd numbered frames in In. 14.

Furthermore, according to the Specification, p.3, ln. 11, [time]slots are also known as bursts. In the art, frames consists of timeslots. It is unclear whether if the channels carry bursts, the channels also carry frames, and whether if frames are divided into burst, the frames are also divided into timeslots.

3. Claim 5,6,12 recites the limitation "multiframe" in ln. 7,7,4 respectively; and claims 5 and 6 recites the limitation "digital information over said channel" both in ln. 6. There is insufficient antecedent basis for this limitation in the claim.

It is unclear what is a multiframe with respect to the frames, bursts, and channel in the claim language. It is confusing whether digital information over said channel are the data bursts.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Blanche Wong whose telephone number is

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703-305-8963. The examiner can normally be reached on Monday through Friday, 830am to 530pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chi H Pham can be reached on 703-305-4378. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

RW

BW

June 24, 2004

CHAU NGUYEN
SUPERVISORY PATENT EXAMINER

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